

Comparisons of Job Characteristics

Focus Occupation: [First-Line Supervisors of Mechanics, Installers, and Repairers \(49-1011\)](#)

Associated Occupation: [Supervisors of Construction and Extraction Workers \(47-1011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 72

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	16.9	9.3	<< Extensive education and/or training may be required
Mechanical	6.8	13.9	19.8	>> Current knowledge level is likely more than sufficient
Administration and Management	8.4	12.8	16.2	>> Current knowledge level is likely more than sufficient
Mathematics	9.2	12.8	13.4	0 Current knowledge level may be sufficient
Design	5.2	10.9	9.1	< Expanded education and/or training may be required
Engineering and Technology	5.7	10.6	12.2	> Current knowledge level is likely sufficient
Public Safety and Security	6.9	10.2	8.9	< Expanded education and/or training may be required
Personnel and Human Resources	5.6	8.6	13.5	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Coordination	9.1	12.2	12.5	0 Current skill level may be sufficient
Management of Personnel Resources	6.9	11.6	13.6	> Skill level is likely sufficient
Time Management	8.9	11.2	13.0	> Skill level is likely sufficient

Persuasion	7.4	9.6	9.7	0	Current skill level may be sufficient
Equipment Selection	3.3	6.9	7.5	0	Current skill level may be sufficient
Management of Material Resources	3.7	5.6	9.7	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Comprehension	12.5	13.4	13.8	0	Current ability level may be sufficient
Oral Expression	12.4	13.3	13.3	0	Current ability level may be sufficient
Problem Sensitivity	11.1	12.1	12.9	0	Current ability level may be sufficient
Deductive Reasoning	10.6	11.2	12.6	>	Current ability level is likely sufficient
Near Vision	11.1	11.0	11.9	0	Current ability level may be sufficient
Written Comprehension	11.0	10.7	12.5	>	Current ability level is likely sufficient
Written Expression	9.8	10.6	11.5	0	Current ability level may be sufficient
Inductive Reasoning	10.2	10.4	11.5	>	Current ability level is likely sufficient
Visualization	7.5	9.8	10.4	0	Current ability level may be sufficient
Number Facility	6.3	8.2	8.8	0	Current ability level may be sufficient
Time Sharing	6.6	7.9	7.3	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)

Work Activities	Exclusivity of Activity
Assign work to staff or employees	30
Conduct or attend staff meetings	47
Conduct training for personnel	30
Demonstrate or explain assembly or use of equipment	61
Develop staffing plan	77
Direct and coordinate activities of workers or staff	3
Establish employee performance standards	69
Estimate materials or labor requirements	61
Hire, discharge, transfer, or promote workers	47
Monitor worker performance	57

Orient new employees	59
Oversee work progress to verify safety or conformance to standards	49
Prepare or maintain employee records	69
Prepare reports	8
Read blueprints	10
Read specifications	23
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Recommend improvements to work methods or procedures	64
Recommend personnel actions, such as promotions, transfers, and dismissals	72
Recommend purchase or repair of furnishings or equipment	78
Resolve or assist workers to resolve work problems	72

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 84

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Information exchange software	1
Personal communication devices	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.